

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of deriving a reference voltage for a data slicer comprising:
supplying a signal to a filter and filtering the signal;
amplifying the signal before the step of filtering the signal;
supplying the filtered signal to a comparator which comprises the data slicer;
passing the signal prior to filtering through an RC circuit; and
using the output of the RC circuit as the reference voltage for the comparator.
2. (Original) A method as set forth in claim 1, wherein the filter is a low pass filter.
3. (Original) A method as set forth in claim 1, wherein the data slicer forms part of a cascaded RF receiver system.
4. (Original) A method as set forth in claim 1, wherein the signal is an IF (Intermediate Frequency) signal.
5. (Currently Amended) A method ~~as set forth in claim 3,~~ of deriving a reference voltage for a data slicer comprising:
supplying a signal to a filter and filtering the signal;
supplying the filtered signal to a comparator which comprises the data slicer;
passing the signal prior to filtering through an RC circuit; and
using the output of the RC circuit as the reference voltage for the comparator;
wherein the signal is an IF (Intermediate Frequency) signal and the frequency of the signal is up to about 4 KHz.
6. (Cancelled)
7. (Currently Amended) A method ~~as set forth in claim 1,~~ further of deriving a reference voltage for a data slicer comprising:

supplying a signal to a filter and filtering the signal;
supplying the filtered signal to a comparator which comprises the data slicer;
passing the signal prior to filtering through an RC circuit;
using the output of the RC circuit as the reference voltage for the comparator; and
adjusting a value of a capacitor comprising the RC circuit.

8. (Currently Amended) A method ~~as set forth in claim 1, further~~ of deriving a reference voltage for a data slicer comprising:

supplying a signal to a filter and filtering the signal;
supplying the filtered signal to a comparator which comprises the data slicer;
passing the signal prior to filtering through an RC circuit;
using the output of the RC circuit as the reference voltage for the comparator; and
adjusting a value of a resistor of the RC circuit.

9. (Currently Amended) A method ~~as set forth in claim 1, further~~ of deriving a reference voltage for a data slicer comprising:

supplying a signal to a filter and filtering the signal;
supplying the filtered signal to a comparator which comprises the data slicer;
passing the signal prior to filtering through an RC circuit;
using the output of the RC circuit as the reference voltage for the comparator; and
adjusting values of at least one of a resistor and a capacitor of the RC circuit in order to modulate the reference voltage supplied to the comparator.

10. (Currently Amended) A method of obviating a DC offset from an amplified modulated IF data signal, comprising:

supplying the modulated IF signal to a first filter circuit and a second filter circuit;
amplifying the signal before the step of filtering the signal;
supplying a first filtered signal from the first filter to a comparator as a data signal;
and
supplying a second filtered signal from the second filter to the comparator as a reference voltage for the comparator.

11. (Currently Amended) A method ~~as set forth in claim 10,~~ of obviating a DC offset from an amplified modulated IF data signal, comprising:
supplying the modulated IF signal to a first filter circuit and a second filter circuit;
supplying a first filtered signal from the first filter to a comparator as a data signal;
and
supplying a second filtered signal from the second filter to the comparator as a reference voltage for the comparator,

wherein the modulated IF signal is an amplified IF signal.

12. (Original) A method as set forth in claim 10, wherein the second filter is a low pass filter.

13. (Original) A method as set forth in claim 12, wherein the second low pass filter is an RC circuit.

14. (Currently Amended) A circuit comprising:
a source of an IF frequency signal for demodulation;
a filter and a comparator serially connected with the source, wherein the signal is amplified before being input into the filter; and
a reference voltage circuit connected to the comparator and configured to produce a comparator reference voltage, the reference voltage circuit comprising a resistor and a capacitor, the resistor being connected to a point between the source and the filter so as to be responsive a signal which is being supplied to the filter.

15. (Original) A circuit as set forth in claim 14, wherein the source of the IF frequency signal comprises an ASK/FSK switch.

16. (Original) A circuit as set forth in claim 14, wherein the source of an IF frequency signal, filter and comparator serially connected with the source, comprise elements of an internal stage of a chip.

17. (Currently Amended) A circuit ~~as set forth in claim 16,~~ comprising:

a source of an IF frequency signal for demodulation;
a filter and a comparator serially connected with the source;
a reference voltage circuit connected to the comparator and configured to produce a
comparator reference voltage, the reference voltage circuit comprising a resistor and a
capacitor, the resistor being connected to a point between the source and the filter so as to be
responsive to a signal which is being supplied to the filter,

wherein the source of an IF frequency signal, filter and comparator serially connected
with the source, comprise elements of an internal stage of a chip and the resistor of the
reference voltage circuit is an internal element of the chip.

18. (Original) A circuit as set forth in claim 16, wherein the capacitor of the reference voltage circuit comprises part of an external stage of the chip.

19. (Original) A circuit as set forth in claim 16, wherein the resistance and the capacitor of the reference voltage circuit comprise parts of the an external stage of the chip.

20. (Currently Amended) A circuit comprising:
a source of an IF frequency signal for demodulation;
a filter and a comparator serially connected with the source, wherein the signal is
amplified before being input into the filter; and
a reference voltage circuit connected to the comparator and configured to respond to a signal having a component which is comparable with a component filtered by the filter.

21. (Original) A circuit as set forth in claim 20, wherein the circuit forms part of a wireless communication device.

22. (Original) A circuit as set forth in claim 21, wherein the wireless communication device comprises a keyless entry system for an automotive vehicle.

23. (Original) A circuit as set forth in claim 21, wherein the wireless communication device comprises a tire pressure monitoring system for an automotive vehicle.